

Title (en)
REAGENT USEFUL FOR SYNTHESIZING SULFURIZED OLIGONUCLEOTIDE ANALOGS

Title (de)
ZUR HERSTELLUNG VON SULFURIERTEN OLIGONUKLEOTIDANALOGA

Title (fr)
REACTIF UTILISE POUR LA SYNTHESE D'ANALOGUES D'OLIGONUCLEOTIDES SULFURISES

Publication
EP 0983233 A1 20000308 (EN)

Application
EP 98908882 A 19980303

Priority
• US 9804111 W 19980303
• US 81123397 A 19970303

Abstract (en)
[origin: US6040438A] The present invention is directed to a method of synthesizing sulfurized oligonucleotide analogs by reacting an oligonucleotide analog containing a phosphorous(III) linkage with a dithiocarbonic acid diester polysulfide having the formula to produce a sulfurized oligonucleotide analog. The diester polysulfide reagent is useful in solution and solid phase oligonucleotide analog synthesis.

IPC 1-7
C07C 321/00; **C07C 323/00**; **C07C 381/00**; **C07H 21/00**; **C07H 21/02**; **C07H 21/04**

IPC 8 full level
C07H 21/04 (2006.01); **C07C 329/14** (2006.01); **C07H 21/00** (2006.01); **C07H 21/02** (2006.01)

CPC (source: EP US)
C07C 329/14 (2013.01 - EP US); **C07H 21/00** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9839290 A1 19980911; AT E266001 T1 20040515; AU 6680498 A 19980922; DE 69823657 D1 20040609; DE 69823657 T2 20050407; EP 0983233 A1 20000308; EP 0983233 A4 20020320; EP 0983233 B1 20040506; JP 2000510872 A 20000822; US 5902881 A 19990511; US 6040438 A 20000321; US 6399831 B1 20020604

DOCDB simple family (application)
US 9804111 W 19980303; AT 98908882 T 19980303; AU 6680498 A 19980303; DE 69823657 T 19980303; EP 98908882 A 19980303; JP 53868998 A 19980303; US 10433098 A 19980625; US 45191399 A 19991201; US 81123397 A 19970303